MODERN TRAFFIC BATTERS **CONCRETE ROADS IN VAIN**

Ceaseless Hammer and Grind of Big Trucks and Automobiles Have Slight Effect On Stony Surface

_ What is meant by a "good road", stone—and you have a concrete road.

Let's get down to fundamentals. A WHY CONCRETE ROADS ARE good road is one which is niways ready and safe for all kinds of traffic. A path in the woods may be a good road—for a few men, but in-crease the number of men and the path soon becomes muddy or dusty
—a bad road. A dirt road may be a
good road—for a few vehicles, but moltiply the vehicles in number and weight, and the dirt road becomes a bad road. So, to save money and serve traffic the road is paved to

What should be expected from a paved road? A surface which will remain even and regular unchanged by the hammering of heavy vehicles. Modern traffic moves rapidly and the wheels deliver an impact far greater than that of horse-drawn traffic. If the material of which the surface is constructed has not the rigidity and strength to sustain the weight and impact of passing loads, the surface will be deformed into waves, hower or ruts and the quality of evenness will be lost. A bad road—or pavement—is one that no longer has an even and regular surface. Obviously, if a paved road is to remain good—unaffected by the ceaseless hammer.

facture of cement is conducted until the annual upkeep cost of conder the watchful care of experi chem- erete roads runs from \$50 to perfacture of cement is conducted under the watchful care of expert chemists. Add water to the cement and laps \$160 per mile per year. Usuand and crushed stone, or peobles, are mixed with cement and water, is because the countrete rousd has a rigid surface—it is built that way and stays that way. If the surface Before concrete, or an artificial stone. Before concrete begins to harden, it is were non-rigid and yielding, the traffic into any desired shape. To make a pavement, the plastic concrete. It is happens to gravel, macadam and other roads under heavy traffic, appread upon the prepared rousder. It is happens to gravel, macadam and other roads under heavy traffic, to a depth not less than seven inches or more if required by special conditions, finished to an even surface, and allowed to harden. In this way the roadbed is "armored" with a regular, because it is not rigid. In-

WHY CONCRETE ROADS ARE POPULAR

Concrete roads are rigid. They dis-tribute the pressure of heavy vehicle loads to a large area of the under-lying soil. When the soil lacks re-liable bearing power, as in the case of spongy clay or soft leams, concrete roads may be reinformed with steel roads or heavy steel wire mesh, to rerods or heavy steel wire mesh, to re-sist the bending stresses caused by the shock of traffic. This reinforce-ment affords an additional factor of safety at locations where, for any reason unstable soil conditions exist or may develop. Concrete is the only paving material in which steel rein-forcing can thus be used to give the increased strength required. Because

ween and regular surface. Obviously, if a paved road is to remain good—
unaffected by the ceaseless hammer and grind of heavy traffec—it must be rigid, because only a rigid, nonyleiding pavement can distribute the concentrated weight and impact of heavy wheel-loads over harge area of the underlying soil. That's one reason why wheel-loads over harge area of the underlying soil. That's one reason why road builders prefer concrete for highway pavements. Concrete for highway pavements. Concrete is always rigid, no matter how hot the day. It is always ready to carry the load without yleiding—

WHAT IS CONCENTER ROADS.

Concrete is always rigid, no matter how hot the day. It is always ready to carry the load without yleiding—
WHAT IS CONCENTER ROADS.

At Bellefontaile, O., there are constrained that may develop in a wellalign to drive off the water and virfrom the kiln in the form of a hard your featured from the kiln in the form of a hard your feature of cement. The manuground, becomes cement. The manuground provided the service and contracting, cracks and contracting, cracks appear in temperature, bightly with changes in temperature, those unfail temperature, significant the surface. Those unfail temperature, significant the surface. Those unfail and sunder and alloady the surface and the surface. These in the surface. These unfails are rather at the first and the surface. These unfails are rather at the surface are rather at the surface. These unfails are rather at the surface are rather at the surface. For instance, the totals received up to the start, the will probably never own thanks and possible the surface. The surface which the preliminary indicates are rather at the surface. For instance, the concentrated weight with changes in temperature, building expenditu

JUST ONE MINUTE!

You can read this in one minute.

By the time you reach the last line, property worth \$923 will have been destroyed by fire somewhere in the United States. Minute after minute, day after

day, on the average, this appalling pace keeps up, to a grand yearly total of \$485,000,000.

That, at least, was the record in 1921. What the showing will be this year, and in the years to come depends, in large measure, on you.

Ninety per cent of all fires are preventable, for they are due to carelessness. Take a look in your cellar, your

attic, that closet. Clear out the rubbish—the old stuff stored away because "maybe some day we'll find a use for it." Many fires about the house are born in trash

While insurance marks the dif-ference between protection and destitution, every American home has its treasured possessions whose worth cannot be computed in terms of money and can never be

A minute's thought now may ve the patient accumulation of lifetime from the ravages of

After all, it's chiefly a matter protecting your own dwelling ad those whose presence there Isn't it worth a minute to you?

BUILDING TAKES SPURT IN AUGUST

POINTS TO WAY TO BUILD HOME

Charles Bass Reveals Experiences in Acquiring Domicile

Charles A. Bass, local weather observer and city sanitary inspector, is the proud possessor of a new home. Charlie is so overjoyed that he is now his own landlord that he "tells the world" it is the only thing. has written in his own way, a brief story of "how he did it," without be-ing overburdened with money with

which to start.

Charlie is always willing to help others got their share of good things, so he explains how any young man may follow his instructions and make his own home. Further, he invites any prospective home owner, who has not yet begun, to visit him at his new home and "get wised up." which to start. HIS OWN STORY.

n his own words, he says: My landlord raised my rent when e thought his daughters or wife should have better clothes or more up-to-date appliances on his auto-mobile, or longer vacations. "I had to stand for the raise, first,

because houses were scarce that were desirable, and second because I blew as the saying goes). Third, because did not have the "get-up" in me

prospective home, and then I hired a tent for a small amount and put it on the lot. I sacrificed, but after four months, I had another hundred dollars saved in rent to apply on my

"Getting more enthusiastic even "Getting more enthusiastic every minute (and so will you if you will only make the first start, but you must forego and deprive yourself or many little things, and it won't be long before you have receipts to show that you believe in Ogden and Utah and America, and you can do it if you agree that you can), I kept up my payments on my lot.

GETS BACKING.

GETS BACKING.

"Comparatively speaking I am stranger with the moneyed people in this splendid community, but un-daunted and inspired by my progress thus far, I went forward to a friend shom I suspected had some money and told him my story. He looked a little surprised at me and asked me what kind of a house I was figuring

OGDEN CANYON

Ogden boasts one of the most beautiful canyon and mountain highways of the whole western country. Last year the State of Utah, co-operating with Weber County and the Federal Government, paved the highway leading from the city to the mouth of the canyon. The entire highway is now of Warrenite Bitulithic surface, built over the old macadam road which was reinforced with a thin bituminous concrete base (black base).

This year Ogden City built one and one-quarter miles of eighteen-foot roadway and completely finished the work in fourteen days, but the people of Ogden were not deprived of the pleasure of the canyon breezes on warm evenings during those two weeks of construction, as the roadway was thrown open every evening, and as soon as the last square yard of pavement was laid and rolled, the smooth, noiseless surface was ready for use, from Ogden to Eden.

This canyon is the playground of the city and has been made so easily accessible that a few minutes of delightful driving puts the motorists in one of Utah's real beauty spots.

Build Warrenite Bitulithic Streets and Roads

"The Best by Every Test" WARREN BROS. COMPANY Boston, Mass.

"Take a little walk and see it, and some determination, even though it have a heart to heart talk with me, may seem slow, will soon come. In fields contain 43,830,860,000 short

Pennsylvania's bituminous on and how much I had baid al
Get acquainted with my wife, for we the end you will have something that tons of recoverable coal, enough to you can realize on much more than a rent receipt. Own your own home, and in consequence I have a home to work for and I am sure proud of in conclusion, let me again say, make the first start, the finish, with am just boosting for Ogden."

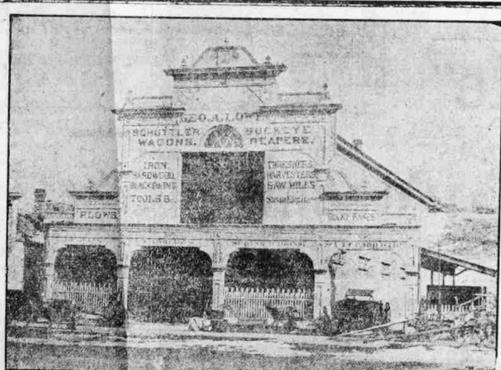
The conclusion of the next 290 are real estate, I then the original deposits, 5,519,
make the first start, the finish, with am just boosting for Ogden."

The conclusion of recoverable coal, enough to you can realize on much more than a rent receipt. Own your own home, I am in no way connected with any years at the present rate of consumptions to work for and I am sure proud of the consequence of the end you will have something that tons of recoverable coal, enough to you can realize on much more than a rent receipt. Own your own home. I am in no way connected with any years at the present rate of consumptions to work for and I am sure proud of the end you will have something that tons of recoverable coal, enough to you can realize on much more than a rent receipt. Own your own home. I am in no way connected with any years at the present rate of consumptions.

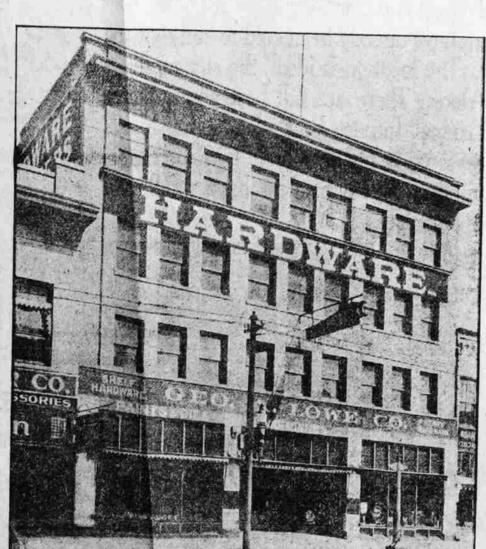
The conclusion is a rent receipt. Own your own home. I am in no way connected with any years at the present rate of consumptions.

The conclusion is a rent receipt. Own your own home. I am in no way connected with any years at the present rate of consumptions.

The conclusion is a rent receipt. Own your own home. I am in no way connected with any years at the present rate of consumptions. 775,000 tons have been mined.



We Started Here in 1880



Same Location, 1922

Miles and Minutes

The Atlantic cable is approximately 3500 miles long. Yet, to the newspapers, London is only a few minutes from New York. Your paper tells you about happenings in the Old World within a few hours of their occurrence. For newspaper enterprise has reduced those miles to minutes.

How far back we would go without newspapers! We would remain in ignorance, not only of events at home and abroad-but also of much that concerns us even more vitally-news of the things that have to do with our personal, every-day lives.

Every day new things appear-new products that save time, labor and money are introduced-new comforts, new conveniences and new ideas are continually being worked out and offered for your

The advertisements bring you news of all this progress. They tell you all about these things, where to get them, how to get them and how much to pay for them. The advertisements are daily directories to wise buying.

READ THE ADVERTISEMENTS. Protect yourself in your buying, by getting the products which have proved their worth by making good under the spotlight of consistent publicty.



Read the advertisements and buy advertised products